

MISCELLANEOUS NOTES ON AUSTRALIAN
PTERIDOPHYTES. I.

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Blechnum articulatum (F. Muell.) S. B. Andrews, comb. nov. Based on *Lomaria articulata* F. Muell., *Fragm.* 5:187 (1866). **Type:** Queensland, Head of Mackay River (Tully River), *Dallachy*, MEL 59536 (seen).

Mueller first described the Queensland fern *Lomaria articulata*, distinguishing it from *Lomaria euphlebia* Kunze. The latter is now correctly known as *Plagiogyria euphlebia* (Kunze) Mett. but the former is a species of *Blechnum* as pointed out by E. B. Copeland in his *Ferns of Fiji*: 58 (1929). See also Philip, *J. Sci.* 38:384 (1929). Baker, in *Synopsis Filicum*: 183 (1868), combined the two under *Lomaria euphlebia* and he was followed by various authors including F. M. Bailey in *Lith. Ferns Qd*: 87 (1892) and *Qd Flora*: 1965 (1902). C. Christensen in *Index Filicum*: 495 (1906) and *Domin in Bibl. Bot.* 85:147 (1913), each combined them under *Plagiogyria euphlebia*. Subsequently in *Suppl. 3* of the *Index Filicum* the combination *Plagiogyria articulata* (F. Muell.) Ching was made, deleting the name of the Queensland fern as a synonym of *P. euphlebia*.

Professor R. E. Holtum kindly located Mueller's specimen of *Lomaria articulata*, at Kew, bearing Ching's label *Plagiogyria articulata*. In a personal communication he states "This is the origin of the reference to *Plagiogyria*; it was simply reported to Christensen who entered it with Ching's name in the third Supplement of *Index Filicum*; there is nothing else published about the transfer.". He continues, "The specimen most certainly represents a species of *Blechnum* (*Lomaria*). It has exactly the indusia of *Lomaria* and also similar sporangia; spores are monolete and smooth; perhaps they are young". I found the spores on mature plants to be verrucate.

I have examined the holotype and other specimens kindly sent on loan by the Director of the Royal Botanic Gardens and National Herbarium, Melbourne in addition to specimens held in the Queensland Herbarium.

A description will be included in the forthcoming Handbook to the Ferns and Fern-allies of Queensland.

Christella subpubescens (Bl.) Holtt. 'Keffordii' comb. nov. Based on *Aspidium molle* Sw. forma *keffordii* F. M. Bail., *Qd Agric. J.* 20:242 (1908).

Aspidium truncatum (Poir. in Lam.) Gaud. var. *keffordii* (F. M. Bail.) F. M. Bail., *Compreh. Cat. Qd Pl.*: 645 (1913).

I have examined the type of the above and found it to belong to *Christella subpubescens* (Bl.) Holtt. It is not a forma or variety in the sense of the International Code of Botanical Nomenclature but rather a cultivar, although collected in the wild.

As a preliminary to the publication of a checklist and handbook of the ferns and fern-allies of Queensland, the following new combinations are made.

Crypsinus simplicissimus (F. Muell.) S. B. Andrews, comb. nov. Based on
Polypodium simplicissimum F. Muell., *Fragm.* 7:120 (1870); 156 (1871).
Type: Queensland, mountains near Rockingham Bay, *J. Dallachy* (not seen).

Ctenopteris fuscopilosa (F. Muell. & Bak.) S. B. Andrews, comb. nov. Based on
Polypodium fuscipilosum F. Muell. & Bak., *J. Bot.* 163 (1887). **Type:**
Queensland: Bellenden Ker Range, *Sayers & Davidson* (not seen).

Ctenopteris gordonii (Watts) S. B. Andrews, comb. nov. Based on
Polypodium gordonii Watts, *Proc. Linn. Soc. N.S.W.* 39:792 (1915).
Type: Queensland: Tully Falls, *Watts & Gordon* (not seen). Isotypes
BRI 182219, BRI 114724 (seen).

Ctenopteris maidenii (Watts) S. B. Andrews, comb. nov. Based on
Polypodium maidenii Watts, *Proc. Linn. Soc. N.S.W.* 39:793 (1915).
Type: Queensland: Evelyn Scrub, *R. F. Waller* (not seen).

Ctenopteris walleri (Maiden & Betche) S. B. Andrews, comb. nov. Based on
Polypodium walleri Maiden & Betche, *Proc. Linn. Soc. N.S.W.* 35:799
(1910). **Type:** Queensland: Herberton District, *F. Waller* (not seen).
Isotype: BRI 182218 (seen).

Microsorium superficiale (Bl.) Ching var. **australiense** (F. M. Bail.) S. B. Andrews,
comb. nov. Based on
Polypodium superficiale Bl. var. *australiense* F. M. Bail., *Qd Bull.* 13
(*Bot. Bull.* 4) 21 (1891). **Type:** Queensland: Atherton, *C. J. Wild*
BRI 182653 (seen).

Oenotrichia dissecta (C. T. White & D. A. Goy) S. B. Andrews, comb. nov.
Based on
Leptolepia dissecta C. T. White & D. A. Goy. *Vict. Nat.* 54:149 (1938).
Type: Queensland, Mt. Spurgeon. C. T. White BRI 26561 (seen).

The above combination was listed in Check List N. *Qd Ferns*, N. *Qd Nat. Club*, Publ. No. 3:5 (1946). There is no indication there that a new combination was intended or of the name(s) of the author(s) making the change. There is no reference to the basionym or place of publication of a description or diagnosis of the fern. It seems to me very doubtful that the new combination was validly published in the place cited (or anywhere else as far as I can trace) and therefore make it above.

Pteridium semihastatum (Wall. ex Ag.) S. B. Andrews, comb. nov. Based on
Pteris semihastata Wall., *List:* no. 102 (1829), *nomen nudum*; Agardh,
Rec. Pterid. 48 (1839). **Type:** Singapore (not seen).